



VDOT

ROUTE 3 NORTHERN NECK CORRIDOR IMPROVEMENT STUDY

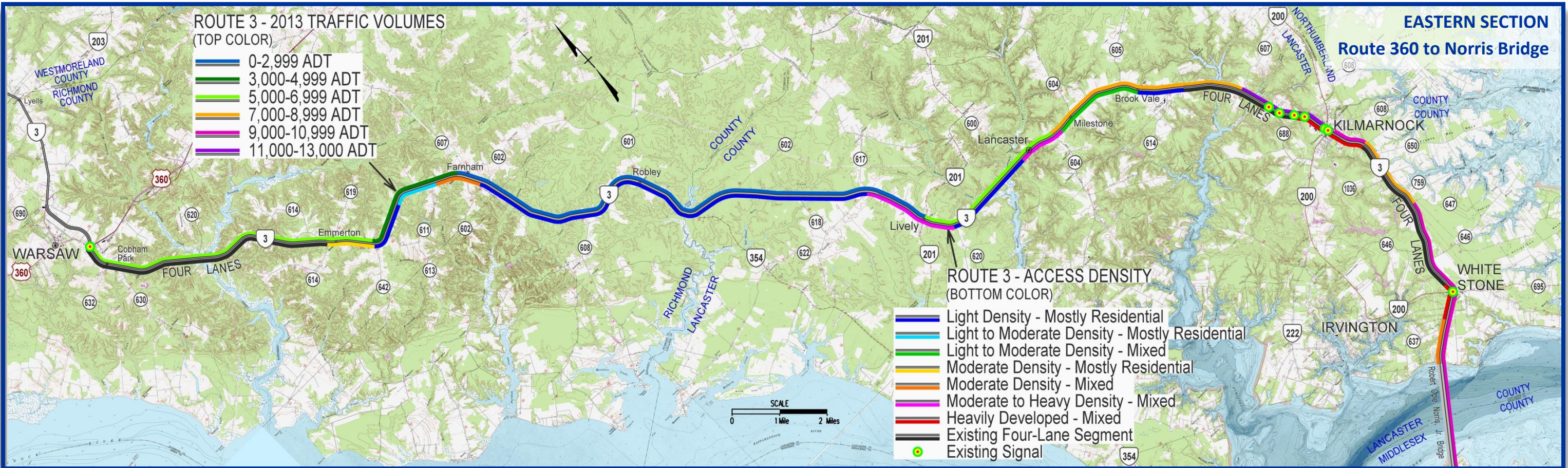
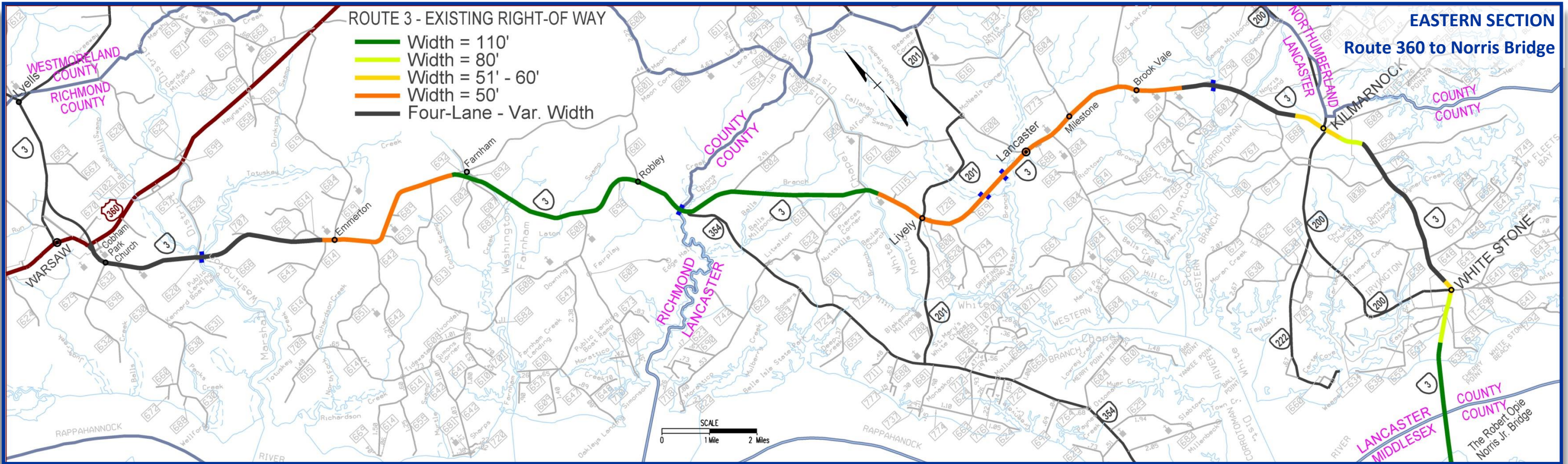
EASTERN SECTION
PUBLIC INFORMATION MEETING



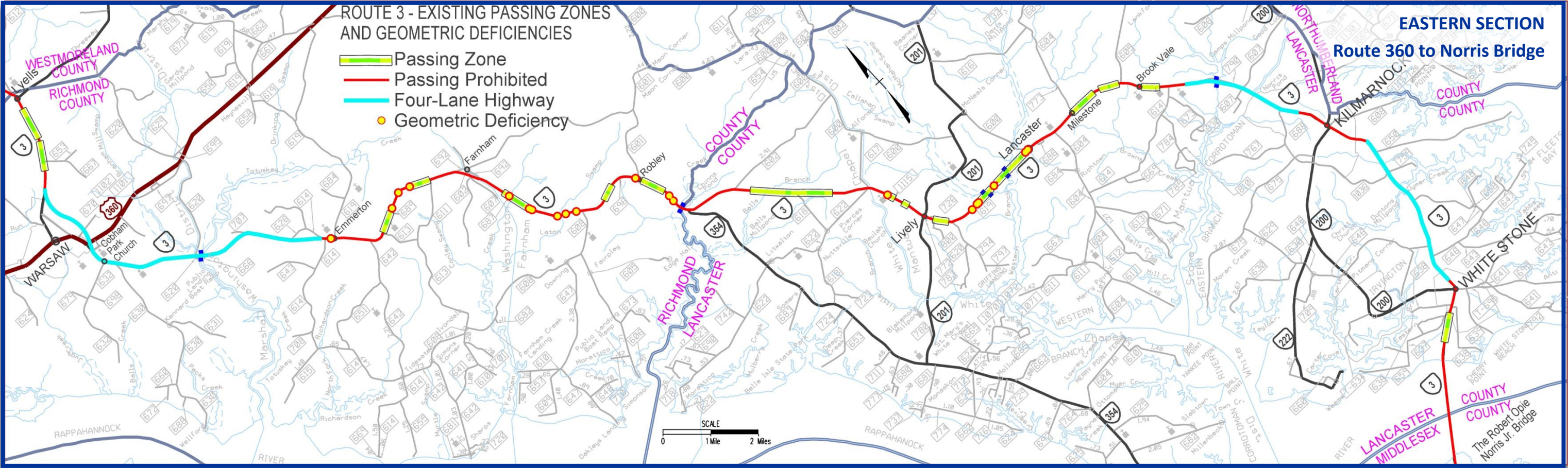
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DECEMBER 9, 2015, 5:00 PM – 7:00 PM
LANCASTER COUNTRY LIBRARY, KILMARNOCK
INFORMATIONAL HANDOUT

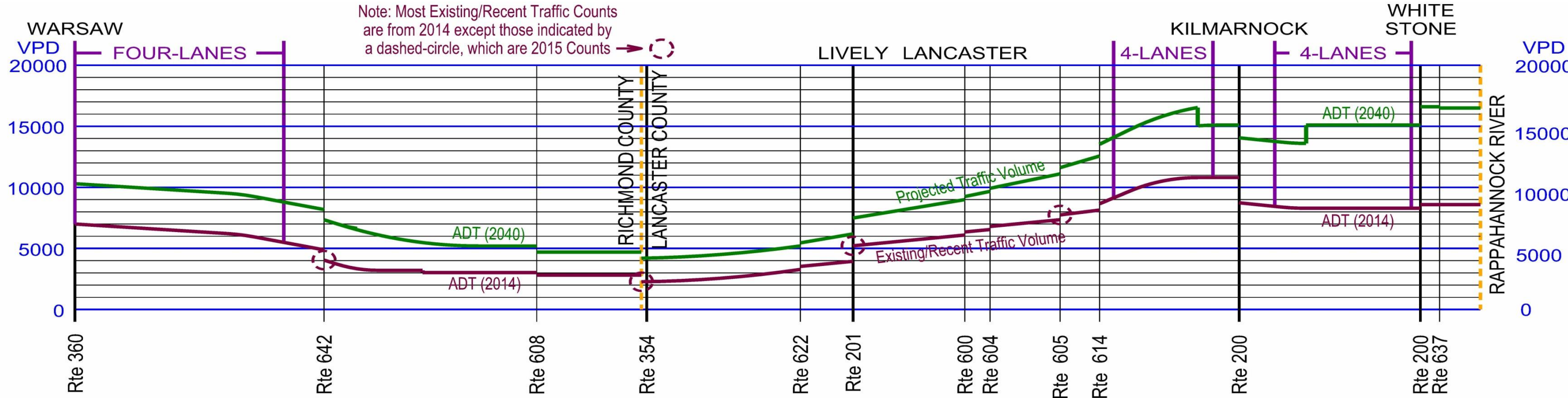
EXISTING RIGHT-OF-WAY WIDTHS AND TRAFFIC DENSITIES ON ROUTE 3 – EASTERN SECTION



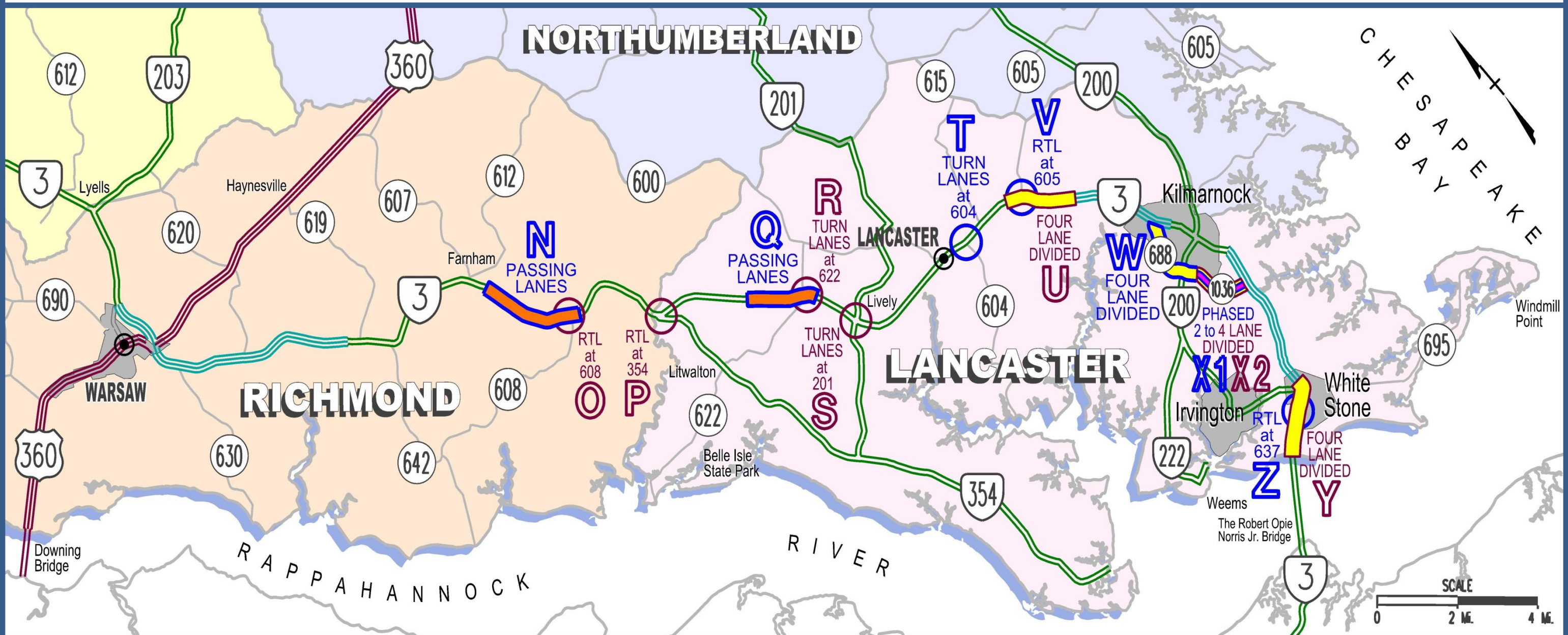
EXISTING GEOMETRIC DEFICIENCIES AND PASSING ZONE LOCATIONS ON ROUTE 3 – EASTERN SECTION



EXISTING (2014) AND PROJECTED (2040) TRAFFIC VOLUMES ON ROUTE 3 – EASTERN SECTION



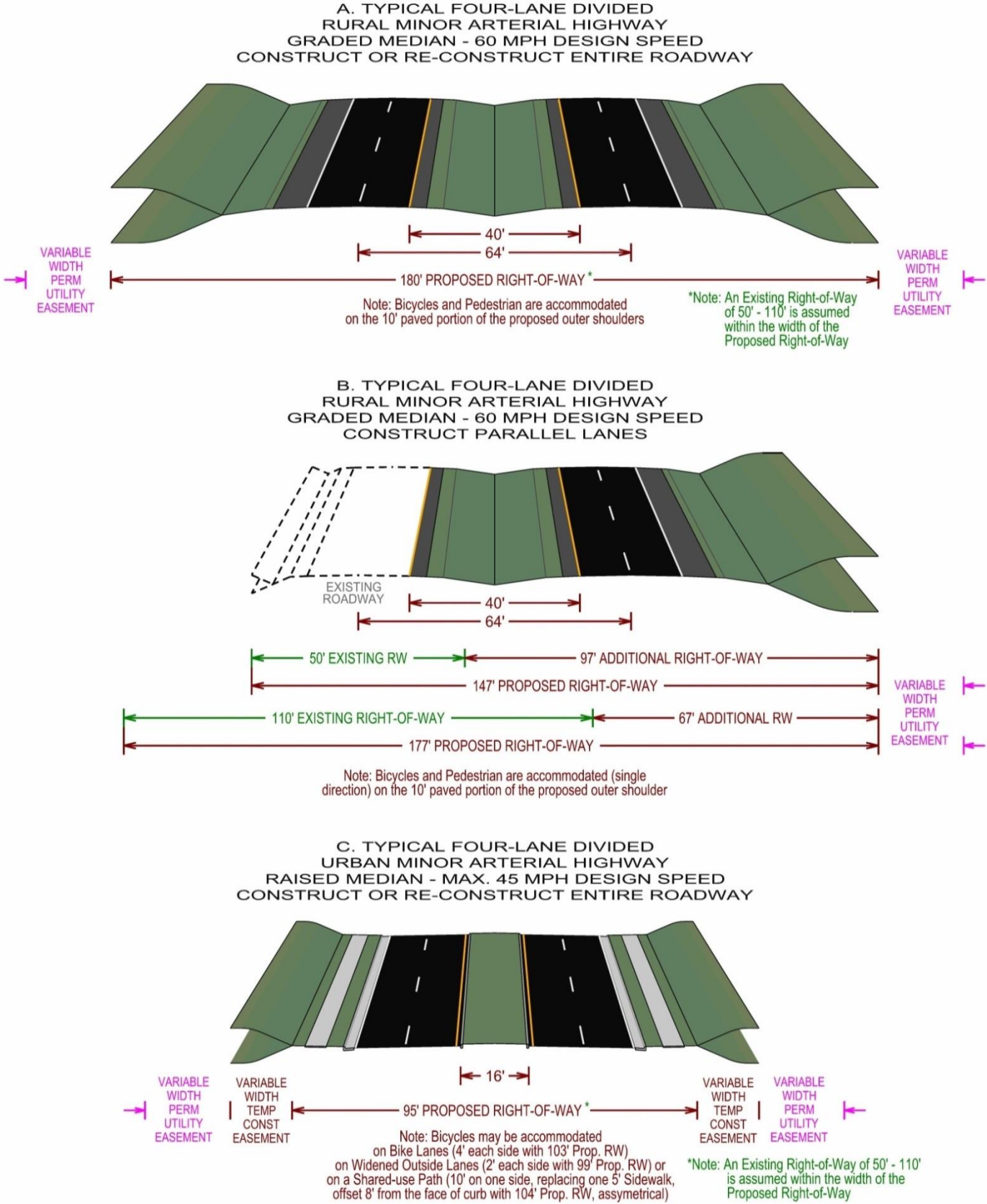
RECOMMENDED IMPROVEMENTS – EASTERN SECTION



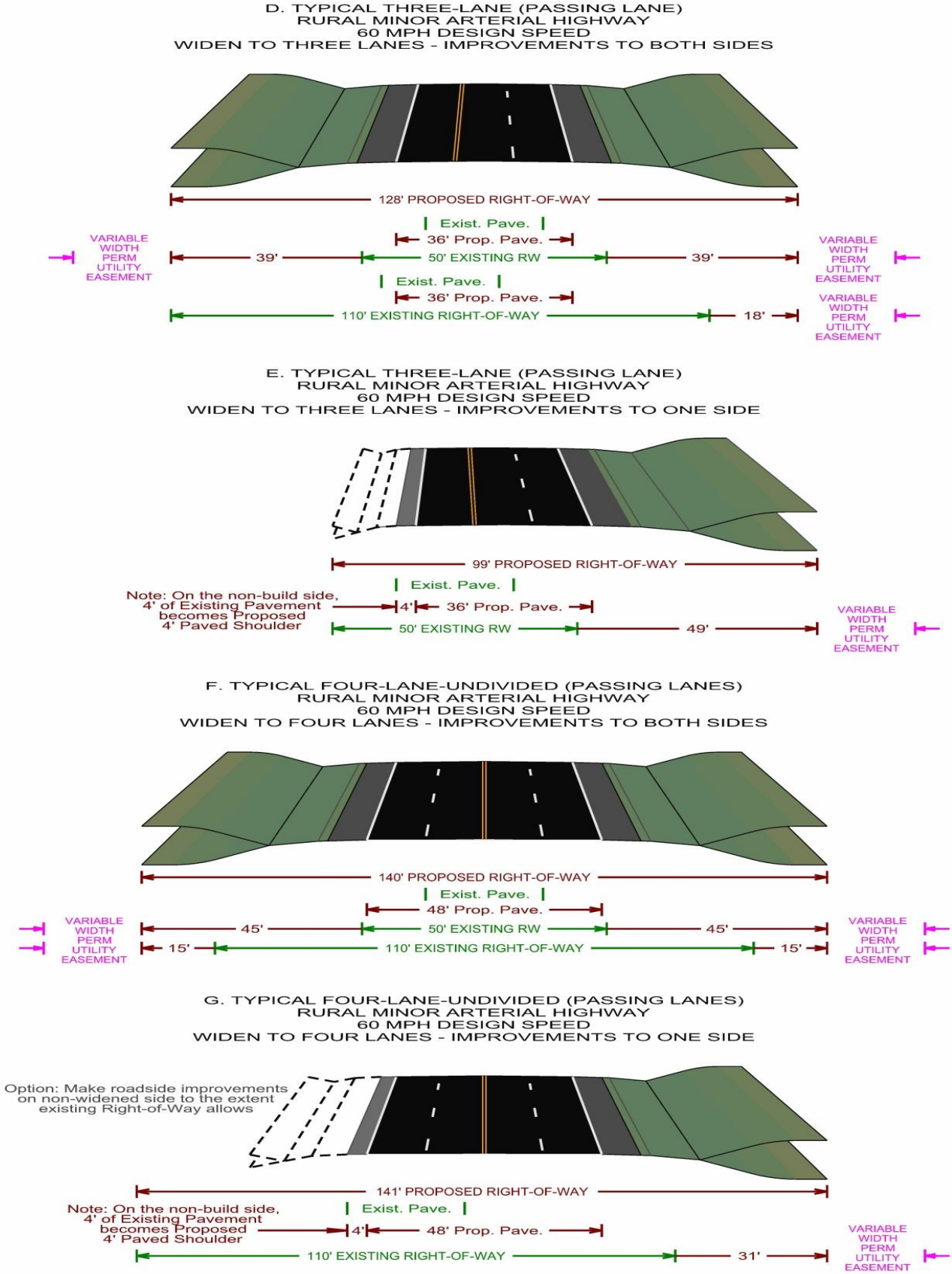
N	Rte 3 Passing Lanes Eastern Richmond County **	Short-term	U	Four-Lane (Divided) Widening of Rte 3 from Rte 605 to Existing Four-Lane	Long-term
O	Right-Turn-Lane @ Rte 608	Long-term	V	Right-Turn-Lane @ Intersection of Rte 605 **	Short-term
P	Right-Turn-Lane @ Rte 354	Long-term	W	Four-Lane (Divided) Widening of Rte 688 (N. Kilmarnock Bypass) ***	Short-term
Q	Rte 3 Passing Lanes Western Lancaster County **	Short-term	X1	Two-Lane Improvements to Rte 1036 (S. Kilmarnock Bypass) *	Short-term
R	Left and Right-Turn-Lanes @ Intersection of Rte 622	Long-term	X2	Four-Lane (Divided) Widening of Rte 1036 (S. Kilmarnock Bypass)	Long-term
S	Left and Right-Turn-Lanes @ Intersection of Rte 201	Long-term	Y	Four-Lane (Divided) Widening (or Bypass) of Rte 3 in White Stone	Long-term
T	Left and Right-Turn-Lanes @ Intersection of Rte 604 / High School ***	Short-term	Z	Right-Turn-Lane @ Intersection of Rte 637 *	Short-term

Short-term Project Priority Ranking: ***Highest **Medium *Lower

DRAFT PROPOSED TYPICAL SECTIONS – FOUR-LANE-DIVIDED

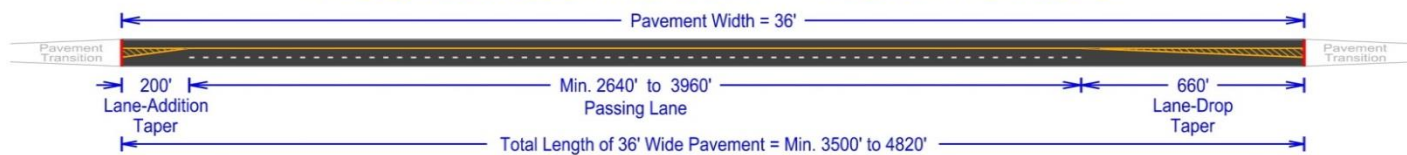


DRAFT PROPOSED TYPICAL SECTIONS – PASSING LANES

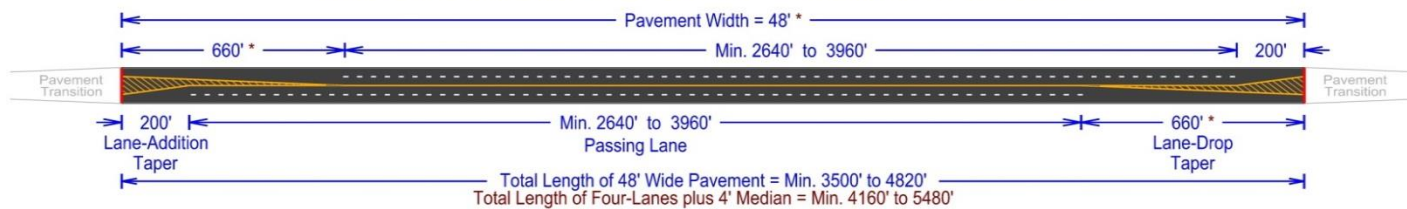


PASSING LANE DESIGN

TYPICAL SINGLE-DIRECTION PASSING LANE THREE-LANE TYPICAL SECTION



TYPICAL TWO-DIRECTION PASSING LANES FOUR-LANE TYPICAL SECTION



* NOTE: If the use of a 4' Raised Median is required on a two-direction passing lane location (four-lanes wide), the width of the pavement (e.p. to e.p.) will increase by 6' to 54' wide. This will lengthen ALL 660' transitions to 990' and ALL 330' transitions to 495' where the posted speed limit is 55 MPH. Pavement Transitions will increase, as well. Pavement Transitions will be 990' for 18' Shifts (all to one side) and 495' for 9' Shifts (symmetrically on both sides).

PAVEMENT TRANSITIONS

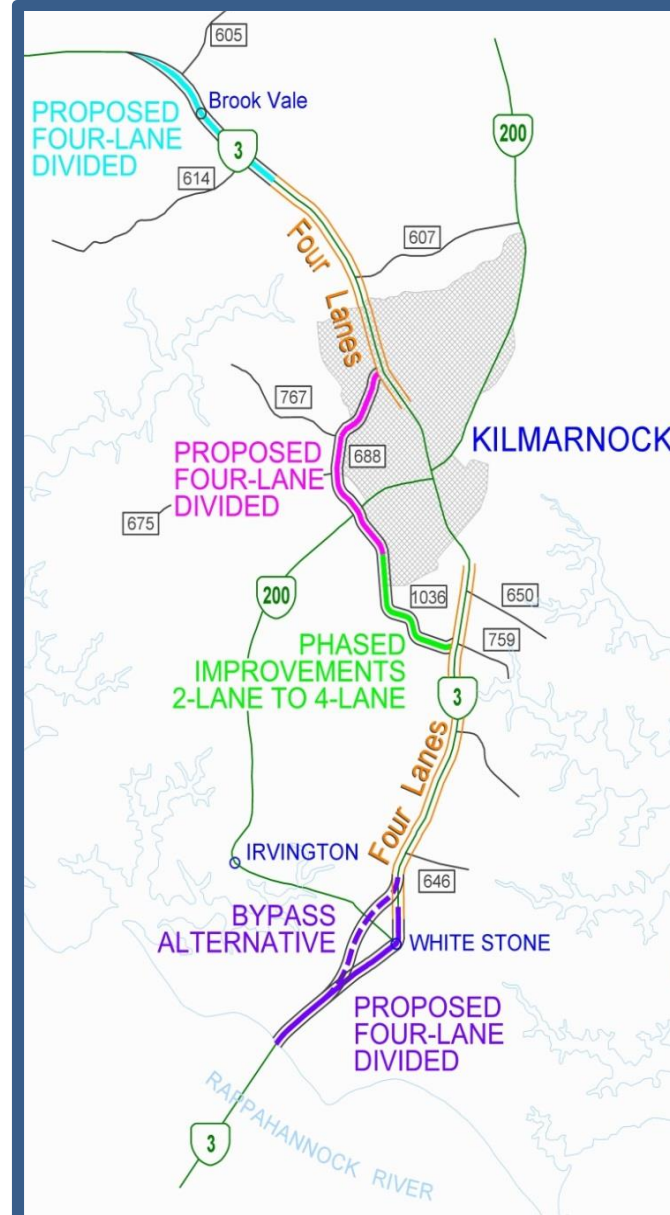


Generally, a Passing Lane design (above) will be paired with one Pavement Transition on each end.

As a default and for estimation purposes, a 3960' Passing Lane with a 200' Lane-Add Taper on one end and a 660' Lane-Drop Taper on the other end will have a 660' Pavement Transition attached to both ends, yielding an overall Total Length of 6140'.

Actual total lengths for a single passing lane location may be shorter (by utilizing a passing lane length of less than 3960' or by using symmetrical pavement widening transitions) or the total length for a single location may be longer.

The average set of End-to-End Passing Lanes has a total length of 10,880', consisting of two 3960' passing lanes, two 660' pavement transitions, two 200' lane-add tapers, two 660' lane-drop tapers, and one 320' safety buffer zone between the lane-drop tapers. This can be reduced to an overall length of 8640' by utilizing the 2640' minimum length for passing lanes.



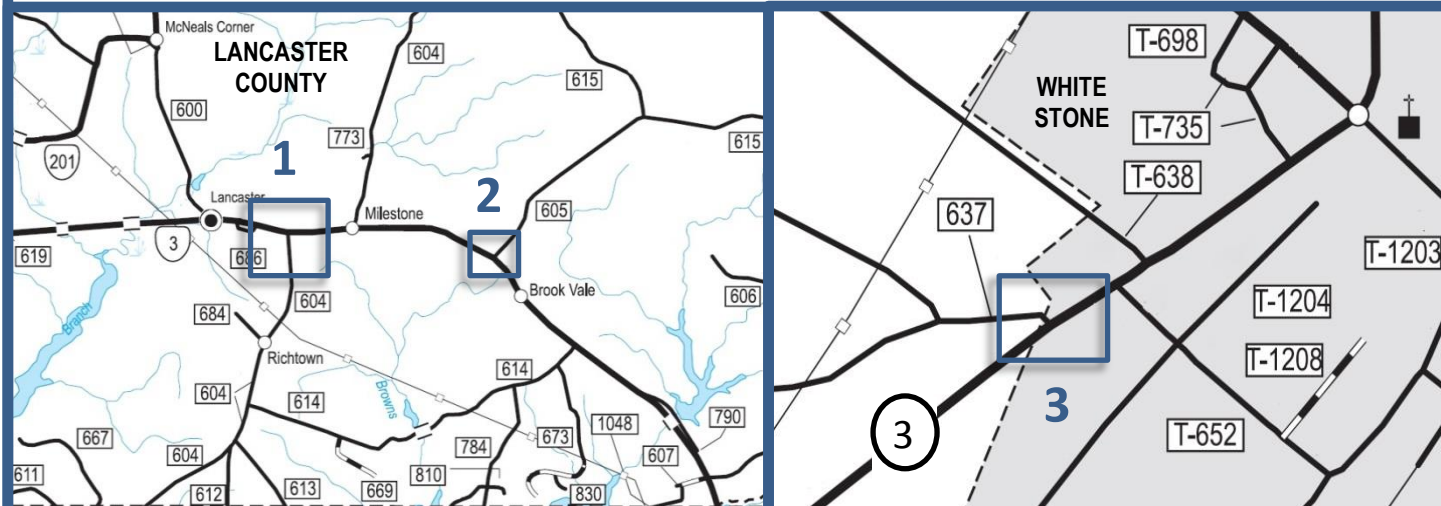
RECOMMENDED FOUR-LANE, DIVIDED HIGHWAY IMPROVEMENTS IN EASTERN LANCASTER COUNTY

- Kilmarnock Bypass – Northern Section**
Four-Lane Typical Section C – 2.0 Miles
(Short-Term Recommendation)
- Kilmarnock Bypass – Southern Section - Phase 1**
Two-Lane Improvements compatible with ultimate Typical Section C (including Right-of-Way) – 1.5 Miles
(Short-Term Recommendation)
- White Stone Widening or Bypass (TBD)**
Four-Lane Typical Section C – 1.6 Miles
Alt. A – Widen Existing Road
Alt. B – Construct Western Bypass
(Long-Term Recommendation)
- Kilmarnock Bypass – Southern Section - Phase 2**
Completion of Four-Lane Typical Section C – 1.5 Miles
(Long-Term Recommendation)
- Extension of Four-Lane Dual-Roadway North of Kilmarnock**
Four-Lane Typical Section B – 1.9 Miles
(Long-Term Recommendation)

Note: See previous page for illustration of Typical Sections

RECOMMENDED PRIORITY SAFETY IMPROVEMENTS IN EASTERN SECTION

- Left Turn Lanes and Right Turn Lanes eastbound and westbound at Route 604 and High School Entrance
- Right-Turn-Lane westbound at Route 605
- Right-Turn-Lane eastbound at Route 637



OTHER RECOMMENDED IMPROVEMENTS - EASTERN SECTION

SHORT TERM

- Construct Full Set of Turn Lanes on Route 3 at the intersection of Route 604/Lancaster HS
- Construct a set of Passing Lanes on Route 3 in western Lancaster County
Note: This is Passing Lane Priority #1 in the Eastern Section
- Construct a set of Passing Lanes on Route 3 in eastern Richmond County
Note: This is Passing Lane Priority #2 in the Eastern Section
- Construct Right Turn Lanes on Route 3 at the intersection of Routes 605 and 637 in Lancaster County

LONG TERM / AS WARRANTED

- Construct Right Turn Lanes on Route 3 at the intersection of Route 608 in Richmond County and the intersection of Route 354 in Lancaster County
- Construct Left and Right Turn Lanes on Route 3 at the intersection of Route 622 and the intersection of Route 201 in Lancaster County